



**DESCRIPTION**

Pack-cycle has been created to simplify flexible packaging structures, increasing the ability to recover post-consumer flexible plastic resources.

Utilising a mono-polymer material structure, Pack-cycle is comprised of specially-formulated polyolefins, creating a high- barrier recyclable film alternative to the flexible packaging market, while eliminating the need for complex multi-laminate materials in a variety of food and beverage applications.

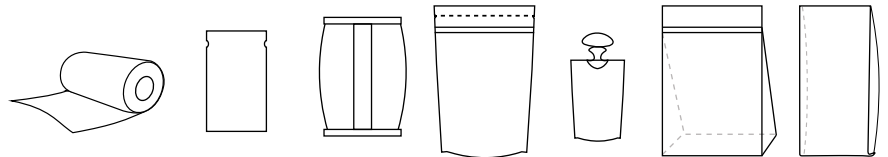


This material structure is compatible for use with the Packaging Recyclability Evaluation Portal (PREP) & Generation of the Australasian Recycling Label-Store Drop Off.

**APPLICATIONS**

Through extensive research and development, Pack-cycle film has been developed to fulfill a wide variety of packaging functions such as:

- Rewind film for both Vertical and Horizontal Form-Fill-Seal machinery;
- Pre-made pouches and accompanying filling machinery for the following packaging formats:
  - Flat/Three side seal pouches
  - Pillow bags
  - Stand up pouches
  - Spout pouches
  - Flat bottom bags\*
  - Quad seal bags
- Pasteurization, hot fill, high pressure processing, irradiation, and microwave- safe sterilization;
- Freezer storage, modified atmosphere and vacuum sealing.



\* weight and size restrictions

**PROPERTIES**

	Unit	Specification	Test Method
Available Thicknesses	micron	70 -250	ASTM D374
Residual Solvent Rate	mg/m <sup>2</sup>	≤ 5.0	BS6455: 1984
Water Vapour Transmission Rate (WVTR)	g/m <sup>2</sup> /24h	≤ 4.0	ASTM E96
Oxygen Transmission Rate (OTR)	ml/m <sup>2</sup> /24h	≤ 3.0	ASTM D3985
Seal Strength	N/15mm	≥ 20.0	ASTM F2029
Pressure Test	50kg* 1min	No Leakage	GB/T 10004
Drop Test	1.2m* 3times	No Leakage	GB/T 10004

